Each

Dart Aerospace Ltd. Tuesday, 11/21/2006 1:15:22 PM User: Kim Johnston **Process Sheet Drawing Name** : EXTRUSION 'I' BEAM TUBE 4" Customer : CU-DAR001 Dart Helicopters Services Job Number : 29602 **Estimate Number** : 10154 : NIA : D25001190 **Part Number** P.O. Number S.O. No. : 411A : D2500 REV F1 **Drawing Number** This Issue : 11/21/2006 Project Number : N/A Prsht Rev. MA : PURCHASED PARTS : F1 First Issue Type **Drawing Revision** : 25858 : NIA Material **Previous Run** : 12/10/2006 **Due Date** Qty: 160 Um: Written By Checked & Approved By : Est: KJ/RF Comment **Additional Product** Job Number: Description: Seq. #: Machine Or Operation: **PURCHASING** 1.0 PG Comment: PURCHASING C206/11/22 <u> 2537</u> Issue P/O:__ a) Extrude as per Dwg D2500 b) Material: 6061-T6 (QQ-A-200/8) c) Minimum yield tensile strength = 35 ksi d) Minimum ultimate tensile strength = 38 ksi e) Minimum elongation = 8% f) Order at 190" long g) Bon L Canada Inc. tool #897105 h) To be packed per DSK 066 i) Pull test to ASTM standard B221 required. j) Material certification is required Ext'n -`I' Beam Tube 4" 2.0 D25001190P Comment: Qty.: Total: 160.0000 Each(s) 1.0000 Each(s)/Unit EXTRUSION 'I' BEAM TUBE 4" PACKAGING RESOURCE #1 PACKAGING 1 3.0

Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached QC6



Comment: DIMENSIONAL CHECK

Inspect dimensions per Dwg D2500

Check Pull test per Dwg D2500 for compliance page attached.

Check hardness with Webster tester

4.0

Form: rprocess

Dart Aerospace Ltd

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W/O:			WO	RK ORDER CHANG	BES				
DATE STEP		PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes,	No DQ	A: \(\)	∑ Date: _/	Mad 13
					QA: N	I/C Close			
NCR:		•	WORK ORDE	R NON-CONFORM	ANCE (NC	₹)			
DATE	STEP	Description of NC	Description of NC Corrective Action Section			Verification		Approval	Approval
DAIL	316	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	k Sect	ion C	Chief Eng	QC Inspector

NOTE: Date & initial all entries

Tuesday, 11/21/2006 1:15:22 PM Date: Ùser: Kim Johnston **Process Sheet** Drawing Name: EXTRUSION 'I' BEAM TUBE 4" Customer: CU-DAR001 Dart Helicopters Services Part Number: D25001190 Job Number: 29602 Job Number: Seq. #: Description: **Machine Or Operation:** 5.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 6.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE CL07/02/12 Job Completion

Dart Aerospace Ltd

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W/O:			V	ORK ORDER CHAI	NGES					
DATE	STEP	PRO	CEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			·							
Part No	:	PAR #:	Fault Ca	tegory:	NCR	: Yes N	lo DQA	\ :	Date:	
						QA: N/	C Closed	d:	_ Date: _	
NCR:		V	VORK OR	DER NON-CONFOR	MANCE	(NCR)				
DATE	STEP	Description of NC Section A	Initial	Action Descriptio	Section B	Sign &	Verific Section		Approval Chief Eng	Approval QC Inspector
			Chief Eng	Chief Eng		Date				
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NOTE: Date & initial all entries





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DESIG	ngy	DRAWN BY	DART AEROSPACE VICTORIA INTERNATIONAL AIRPORT,			
CHEC	KED KE	APPROVED (DRAWING NO. D2500	SHEET	REV. 1 OF	
DATE		•	TITLE		SCA	LE
97:0	9:29		EXTRUSION		N	TS
Α		96:03:19	NEW ISSUE			
В		96:03:24	CHANGE INTERNAL WEB			
O		96:04:26	ADD D2500-3 WEB			
٥		96:10:07	ADD MATERIAL PROPERTIES			
Ε		96:10:24	CHANGE MATERIAL TEMPER			
F		97:09:29	CHANGE MAT. TO 6061-T6			

ADD NOTES 445

RELEASE DE PS

1. MATERIAL: 6061-T6 (QQ-A-200/8)

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8 %

A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE ABOVE MINIMUM MECHANICAL PROPERTIES.

01.04.17

- 2. BREAK ALL SHARP CORNERS 0.010 MAX
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 4. FOR DZ500-1, PART NUMBER IS DZ500-1-XXX WHERE XXX IS CUT LENGTH IN INCHES (EC. DZ500-1-190 IS 190" LONG)

D2500-1 EVIPTULION MANUFACTURED FROM: a) BON L DIE # 897105 -> PREFERRED

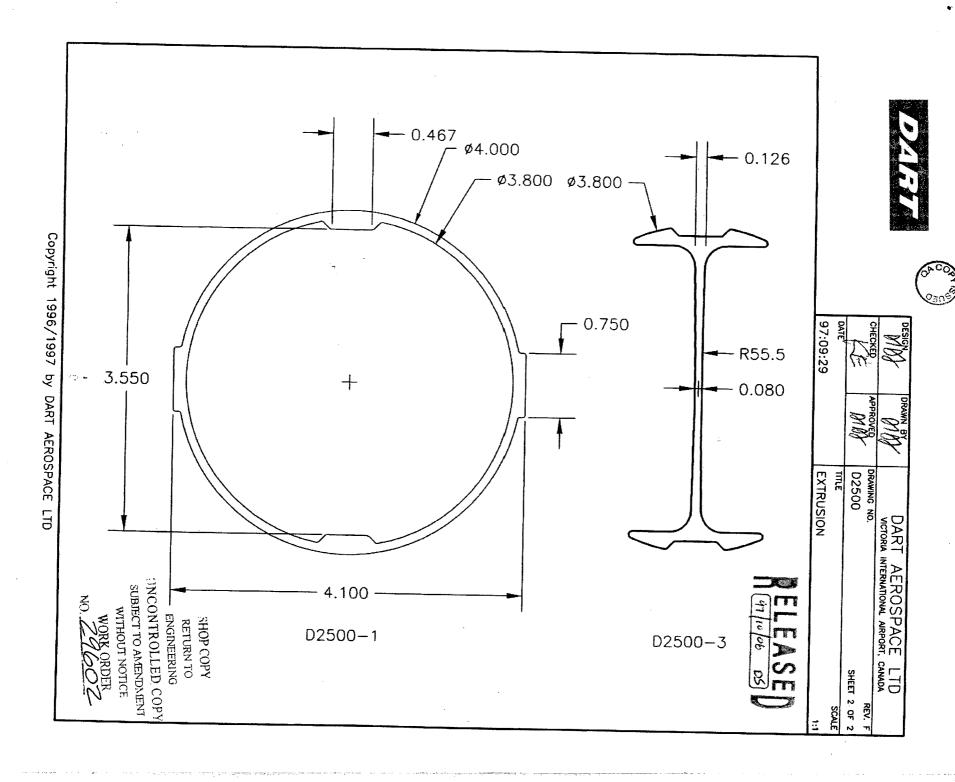
- b) CARADON MIDEAST DIE # PAH-28030
- C) CARADON MIL DIE # MH-18868

SHOP COPY

5. FOR DZSDO-3, PARET NUMBER IS DZSDO-3-XXX WHERE XXX IS CURETURN TO ENGINEERING
LENGTH IN INCHES (EG. DZSDO-3-100 IS 100 LONG)

DZSDO-3 EX TRUSION MANUPACTURED FROM CARADON INDICEX DIE SUBJECT TO REGINDMENT

WORK ORDER NO. 29602





BON L CANADA INC

1850 CLEMENTS ROAD PICKERING, ON L1W 3R8

CERTIFICATE OF COMPLIANCE

Cart Cate	Cert No	Sales Order	Page
01/03/07	152900	49192	1
Page 50	P/L No.	105	Date
2537	00329982	49192010	1/03/07

Sold To

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

hem No	Part No It	em Description	•	Cust Part
1.001	DAA-897105-2	190" Mill 6061 T6		D2500-1-190
Gross Weight	262 KGS			
Net City	252 KG	20 PC	97 M _.	1 PKG

AMS-QQ-A-200/8 & ASTM B221-00

Mechanical Tests: Test Tensile Yield Bend/ No. MPA / KSI MPA / KSI Conductivity Drift HREW %Elongation 293.7 //42 271.2 F . 0 92 Chemical Limits: ZN OTHER .04 MIN: .40 .00 .15 .00 .80 .00 .00 EA: .05 MAX: .70 .80 .40 .15 1.20 .35 .25 .15 TOT: .15

This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

Conchita Ko, QA Manager Signed for Bon L Canada

Carshta Lo.



BON L CANADA INC

1850 CLEMENTS ROAD

PICKERING, ON L1W 3R8

CERTIFICATE OF COMPLIANCE

00329977

Cost Date	Cert No.	Sales Order	Page
01/03/07	152893	49192	1
Cass PO	B/L No	Los	Date
2537			

49192010

1/03/07

Sold To 46024

DART AEROSPACE LTD.

1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON

 Item No
 Part No
 Item Description
 Cust Part

 1.000
 DAA-897105-2
 190" Mill 6061 T6
 D2500-1-190

 Gross Weight
 1862 KGS

 Net Oty
 1,792 KG
 143 PC
 690 M
 7 PKG

Spacification Dia
AMS-QQ-A-200/8 & ASTM B221-00

Mechanical Tests: Test Tensile Yield Bend/ No. MPA / KSI MPA / KSI %Elongation Drift HREW Conductivity 293.7 / 92 .0 Chemical Limits: SI CR ZN **OTHER** MIN: .40 .00 .00 .80 .15 .04 .00 .00 EA: .05 MAX: .80 .70 .40 .15 1.20 .25 .35 .15 TOT: .15

This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

Conchita Ko, QA Manager Signed for Bon L Canada

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